



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/650326
Filing Date	August 28, 2003
First Named Inventor	Keith A. Hruska
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	JJJ-P01-599

Sheet	1	of	3
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CB	AA	US-5,011,691	04-30-1992	Oppermann et al.	
CB	AB	US-5,266,683	11-30-1993	Oppermann et al.	
CB	AC	US-4,968,590	11-06-1990	Kuberasampath et al.	
CB	AD	US-5,723,441	03-03-1998	Higley et al.	
CB	AE	US-5,849,686	12-15-1998	Kuberasampath et al.	
CB	AF	US-5,879,908	03-09-1999	Laping et al.	
CB	AG	US-5,733,441	03-03-1998	Higley et al.	
CB	AH	US-6,120,760	09-19-2000	Hotten et al.	
CB	AI	US-6,498,142	12-24-2002	Sampath et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
CB	BA	WO 92/15223	10-17-1991	Amgen Inc.		
CB	BB	WO 93/04692	03-18-1993	Creative Biomolecules, Inc.		
CB	BC	WO 94/03200	02-17-1994	Creative Biomolecules, Inc.		
CB	BD	WO 98/50060	11-12-1998	Creative Biomolecules, Inc.		
CB	BE	WO 97/41880	11-13-1997	Creative Biomolecules, Inc.		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CB	CA	VUKICEVIC et al., "Developing Human Lung and Kidney are Major Sites for Synthesis of Bone Morphogenetic Protein-3 (Osteogenin)", (1994), J. Histochem. Cytochem. 42:869-875	
CB	CB	JONES, et al., "Involvement of Bone Morphogenetic Protein-4 (BMP-4) and Vgr-1 in morphogenesis and neurogenesis in the mouse", (1991) Development 111: 531-542	
CB	CC	VUKICEVIC, et al., "Localization of Osteogenic Protein-1 (Bone Morphogenetic Protein-7) During Human Embryonic Development: High Affinity Binding to Basement Membranes", (1994) Biochem. Biophys. Res. Commun. 198: 693-700	
CB	CD	OZKAYNAK, et al. (1992) "Osteogenic Protein-2 A New Member of the Transforming Growth Factor- β Superfamily Expressed Early in Embryogenesis", J. Biol. Chem. 267: 25220-25227	
CB	CE	OZKAYNAK, et al., "Murine Osteogenic Protein (OP-1): High Levels of mRNA in Kidney", (1991) Biochem. Biophys. Res. Commun. 179: 116-123.	
Examiner Signature	Christina Barget		Date Considered 9/5/06

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CF	HRUSKA, K.A., et al., 2000. "Osteogenic protein-1 (OP-1) prevents renal fibrogenesis associated with ureteral obstruction", Am J Phys (Renal) 279:F130-F143
CG	LUO, G., et al., 1995. "BMP-7 is an inducer of nephrogenesis, and is also required for eye development and skeletal patterning" Genes Dev. 9:2808-2820.
CH	DUDLEY, A.T., et al., 1995. "A requirement for bone morphogenetic protein-7 during development of the mammalian kidney and eye". Genes Dev 9:2795-2807
CI	VUKICEVIC, S. et al., 1996. "Induction of nephrogenic mesenchyme by osteogenic protein 1 (bone morphogenetic protein 7)" Proc. Natl. Acad. Sci. U.S.A. 93:9021-9026
CJ	KISPERT A., et al., 1998 "Wnt-4 is a mesenchymal signal for epithelial transformation of metanephric mesenchyme in the developing kidney", Development 125:4225-4234.
CK	SIMON, M., et al., 1999. "Expression of bone morphogenetic protein-7 mRNA in normal and ischemic adult rat kidney", Amer.J.Physiol. 276:F382-F389
CL	VUKICEVIC, S. et al., 1998. "Osteogenic protein-1 (Bone 30 morphogenetic protein-7) reduces severity of injury after ischemic acute renal failure in rat", J.Clin.Invest. 102:202-214.
CM	SURENDRAN, K., et al., 2002. "A role for Wnt-4 in renal fibrosis. Am J Physiol Renal Physiol", 282:F431-F441.
CN	SASSY-PRIGENT et al., 1995. "Morphometric detection of incipient glomerular lesions in diabetic nephropathy in rats", Lab Invest 73:64-71
CO	GOULD, S.E., et al., 2002 "BMP-7 regulates chemokine, cytokine, and hemodynamic gene expression in proximal tubule cells", Kidney International 61:51-60
CP	YAMAMOTO, T. et al., 1993. "Expression of transforming growth factor β is elevated in human and experimental diabetic nephropathy" Proc.Natl.Acad.Sci.U.S.A. 90:1814-1818
CQ	MORRISSEY, J., et al., 2002. "Bone morphogenetic protein-7 improves renal fibrosis and accelerates the return of renal function" J.Am.Soc.Nephrol. 13:S14-S21.
CR	IWANO, M., et al., 2002. "Evidence that fibroblasts derive from epithelium during tissue fibrosis", J.Clin.Invest. 110:341-350
CS	HILL, C., et al., 2000. "The renal expression of transforming growth factor- β isoforms and their receptors in acute and chronic experimental diabetes in rats", Endocrinology 141:1196-1208
CT	WANG, S. et al., 2001. "Loss of tubular bone morphogenetic protein-7 in diabetic nephropathy", J.Am.Soc.Nephrol. 12:2392-2399
CU	BRENNER et al. 1994 "Chronic Renal Failure" In Harrison's Principles of Internal Medicine, 13 th Edition, Isselbacher et al. (eds.), McGraw-Hill, Inc. New York pp. 1274-1281
CV	GLASSOCK et al 1994 "Immunopathogenic Mechanisms of Renal Injury". In Harrison's Principles of Internal Medicine, 13 th Edition, Isselbacher et al. (eds.) McGraw-Hill, Inc. New York pp. 1292-1295
CW	BOWIE et al. Deciphering the message in protein sequences: tolerance to amino acid substitutions. Science, (1990 March) 247(4948) 1306-10.
CX	KEES-FOLTS et al. Relationship between hyperlipidemia, lipid mediators, and progressive glomerulosclerosis in the nephrotic syndrome, American Journal of Nephrology (1993) 13(5)365-75
CY	COE et al. "Approach to the patient with diseases of the kidney and urinary tract", Chapter 237, Harrison's Principles of Internal Medicine, 13 th ed. Isselbacher et al (eds). New York, McGraw-Hill, p 1252, 1994
CZ	GLASSOCK, R.J. "Immunosuppressive treatment in the prevention of renal failure in primary glomerular diseases", Clinical and Experimental Dialysis and Apheresis, (1981) 5 (1-2) 21-46

Examiner Signature	<i>Christina Bergant</i>	Date Considered	9/5/06
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OB	CA1	CARPENTER et al., "Dialysis and transplantation in the treatment of renal failure", Chapter 238, Harrison's Principles of Internal Medicine, 13 th ed. Isselbacher et al. (eds). New York, McGraw-Hill, page 1281, 1994	
OB	CB1	TOLINS et al, "Mechanisms of hypertensive glomerular injury", American Journal of Cardiology (1988 Oct 5) 62 911) 54G-58G	
OB	CC1	PONTICELLI et al. "Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults", Clinical Nephrology (1991) 35 Suppl 1 S16-21	
OB	CD1	KLAHR et al, "The progression of renal disease", N Engl J. Med, 1988 June 23; 318(25): 1657-66	
OB	CE1	WATANABE et al, "Production of hydrogen peroxide by neutrophilic polymorphonuclear leukocytes in patients with diabetic nephropathy", Journal of Clinical Laboratory Analysis", (1993) 7 (4) 209-13	
OB	CF1	HIRSCHBERG, et al., "Effects of insulin-like growth factor I on renal function in normal men", (1993) Kidney Intl. 43:387-397	
OB	CG1	BARD et al., "Towards a genetic basis for kidney development", (1994) Mech. Development 48: 3-11	
OB	CH1	SAMPATH et al., "Dissociative extraction and reconstitution of extracellular matrix components involved in local bone differentiation", (1981), Proc. Natl. Acad. Sci. USA 78: 7599-7603	
OB	CI1	WANG et al. (2003) Bone morphogenic protein-7 (BMP-7), a novel therapy for diabetic nephropathy. Kidney Intl.;63(6):2037-49	
OB	CJ1	YANG et al. (Aug. 1998) Local macrophage and myofibroblast proliferation in progressive renal injury in the rat remnant kidney, Nephrology, Dialysis, Transplantation, 13 (8) 1967-74	
OB	CK1	FLOEGE et al. (Apr 1992) Glomerular cells, extracellular matrix accumulation, and the development of glomerulosclerosis in the remnant kidney model, Laboratory Investigation, 66(4)	
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			Filing Date	August 28, 2003	
			First Named Inventor	Keith A. Hruska	
			Art Unit	1646	
			Examiner Name	E. Kemmerer	
Sheet	1	of	1	Attorney Docket Number	JJJ-P01-599

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CB	CM1	MOGENSEN et al., "Randomised controlled trial of dual blockade of renin-angiotensin system in patients with hypertension, microalbuminuria, and non-insulin dependent diabetes: the candesartan and Lisinopril microalbuminuria (CALM) study", BMJ, vol. 321, pp. 1440-1444, (2000).	
CB	CN1	LEWINGTON et al., "Modulation of the renin-angiotensin system in proteinuric renal disease: are there added benefits?", Nephrol Dial Transplant 16: Editorial Comments, pp. 885-888 (2001).	

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